Electronic Acknowledgement Receipt				
EFS ID:	1813157			
Application Number:	10814095			
International Application Number:				
Confirmation Number:	7280			
Title of Invention:	Multicarrier receivers and methods for separating transmitted signals in a multiple antenna system			
First Named Inventor/Applicant Name:	Sumeet Sandhu			
Customer Number:	21186			
Filer:	Joseph P. Mehrle/Anne Richards			
Filer Authorized By:	Joseph P. Mehrle			
Attorney Docket Number:	884.B51US1			
Receipt Date:	25-MAY-2007			
Filing Date:	30-MAR-2004			
Time Stamp:	15:49:44			
Application Type:	Utility			

# Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$180
RAM confirmation Number	820
Deposit Account	190743

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Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)	Multi Part /.zip	Pages (if appl.)
1		b51expartequayleSIGNED.p df	393571	yes	20
	Multipa	rt Description/PDF files in	zip description		
	Document De	Document Description		End	
	Miscellaneous Incoming Letter		1	1	
	Response after Ex Parte Quayle Action		2	2	
	Claims		3	12	
	Applicant Arguments/Remarks Made in an Amendment		13	14	
	Drawings		15	17	
	Information Disclosure Statement (IDS) Filed		18	20	
Warnings:			•	•	
Information:					
2	Foreign Reference	b51docforIDS.pdf	361988	no	6
Warnings:					1
Information:					
3	NPL Documents	b51linear.pdf	6651129	no	157
Warnings:					
Information:					
4	NPL Documents	b51paulraj.pdf	182968	no	4
Warnings:					L-
Information:					
5	NPL Documents	b51rende.pdf	576994	no	5
Warnings:					
Information:					
6	Foreign Reference	b51WO2005029759a2.pdf	2130775	no	37
Warnings:					

Information:							
7	Foreign Reference	b51wo2005029759a3.pdf	329789	no	6		
Warnings:							
Information:							
8	Fee Worksheet (PTO-06)	fee-info.pdf	8221	no	2		
Warnings:							
Information							
Total Files Size (in bytes)		10635435					

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#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.